

Material Safety Data Sheet

For Coatings, Resins and Related Materials

•NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

•24 Hour Emergency: 1-800-123-4567 CHEMTREC: 1-800-424-9300

•National Response in Canada CANUTEC: 613-996-6666

•Outside U.S. and Canada Chemtrec: 202-483-7616

Section 1 - Chemical Product / Company Information

| | | | |
|------------------------|---|--------------------|----------------|
| Product Name: | 27X37, CLEAR WOOD FINISH GLOSS | Revision Date: | 06/22/2005 |
| Identification Number: | 010 | Print Date: | 08/16/05 |
| Product Use/Class: | LACQUER | | |
| Manufacturer: | Deft, Inc. (CAGE CODE 33461) 17451 Von Karman Ave Irvine, Ca. 92614 | Information Phone: | (949) 474-0400 |
| | | Emergency Phone: | (800) 424-9300 |

Section 2 - Hazards Identification

*** Emergency Overview ***: Harmful by inhalation, in contact with skin, and if swallowed. Flammable liquid. Contact with eyes or skin causes irritation. Amber liquid with solvent odor.

Effects Of Overexposure - Eye Contact: Direct eye contact may cause irritation. Liquid, aerosols, or vapors are irritating and may cause tearing, redness, and swelling accompanied by a stinging sensation.

Effects Of Overexposure - Skin Contact: Prolonged and repeated skin contact may cause dermatitis, drying, and defatting due to the solvent properties. Direct skin contact may cause irritation. Product may be absorbed through the skin. Symptoms may include swelling, redness, and rash.

Effects Of Overexposure - Inhalation: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes) & acute nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness, or coma. Exposure may cause nausea and vomiting. Inhalation may cause headaches, difficult breathing, and loss of consciousness.

Effects Of Overexposure - Ingestion: Ingestion may cause gastrointestinal irritation, abdominal pain, nausea, vomiting and diarrhea. Vomiting may cause aspiration of the solvent, resulting in chemical pneumonitis. May result in possible corrosive action in the mouth, stomach tissue and digestive tract.

Effects Of Overexposure - Chronic Hazards: WARNING: This product contains a chemical known to the state of California to cause cancer. Contains components listed as a Carcinogen: NTP? : No, IARC Monographs? : Yes, OSHA Regulated? : No. Prolonged contact will cause drying and cracking of the skin, due to defatting action. Skin sensitization, asthma or other allergic responses may develop.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Eye Contact

Section 3 - Composition / Information On Ingredients

| Component | CAS Number | Weight % Reporting Ranges |
|--------------------------|------------|---------------------------|
| ALIPHATIC HYDROCARBON | 8052-41-3 | 10-30 |
| ISOBUTYL ISOBUTYRATE | 97-85-8 | 7-13 |
| VM & P NAPHTHA | 64742-89-8 | 7-13 |
| METHYL n-AMYL KETONE | 110-43-0 | 7-13 |
| 2-BUTOXYETHANOL | 111-76-2 | 5-10 |
| NITROCELLULOSE | 9004-70-0 | 5-10 |
| n-BUTYL ALCOHOL | 71-36-3 | 3-7 |
| XYLENE | 1330-20-7 | 3-7 |
| ISOPROPANOL ANHYDROUS | 67-63-0 | 1-5 |
| BUTYL CELLOSOLVE ACETATE | 112-07-2 | 1-5 |
| ETHYL BENZENE | 100-41-4 | 0.1-1.0 |
| ISOBUTYL ALCOHOL | 78-83-1 | 0.1-1.0 |
| ETHYL BENZENE | 100-41-4 | 0.1-1.0 |

THE ABOVE LISTED PRODUCTS ARE ON THE TSCA INVENTORY LIST. ALSO ANY UNLISTED INGREDIENTS.

Section 4 - First Aid Measures

First Aid - Eye Contact: If material gets into eyes, flush with water immediately for 15 minutes. Consult

a physician. Hold eyelids open to rinse out the entire eye.

First Aid - Skin Contact: In case of contact, immediately flush skin with plenty of water and wash affected areas thoroughly with soap and water. Remove contaminated clothing and shoes.

First Aid - Inhalation: In the case of inhalation of aerosol/mist consult a physician, if necessary. Move to fresh air in case of accidental inhalation of vapors. Asthmatic type symptoms may develop and maybe immediate or delayed by several hours.

First Aid - Ingestion: Do not induce vomiting. Do not give anything to an unconscious person. Obtain medical help.

Section 5 - Fire Fighting Measures

Flash Point (°F): 53 TCC LOWER EXPLOSIVE LIMIT (%): N.AV UPPER EXPLOSIVE LIMIT (%): N.

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: Fire or intense heat may cause violent rupture of packages.

Remove all sources of ignition. Toxic gases may form when product burns. Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. Application to hot surfaces requires special precautions.

Special Firefighting Procedures: Flammable. Cool fire-exposed containers using water spray. Firefighters should wear full protective clothing. In the event of fire, wear self-contained breathing apparatus.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Use personal protective equipment as necessary. Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate area. Contain and remove spilled material with inert absorbent and non-sparking tools.

Section 7 - Handling and Storage

Handling: Keep away from open flames and hot surfaces. Handle in accordance with good industrial hygiene and safety practice. Keep product and empty container away from heat and sources of ignition. Use only in ventilated areas. Open doors and windows.

Storage: Avoid storing near high temperatures, fire, open flames and spark sources. Under oxidizing conditions peroxides of unknown stability may form. Concentrated peroxides are an explosion hazard. Store in buildings designed to comply with OSHA 1910.106. Keep containers upright to prevent leakage and tightly closed in a dry, cool and well-ventilated place.

Section 8 - Exposure Controls / Personal Protection

| Component | ACGIH TLV | ACGIH STEL | OSHA PEL | OSHA STEL |
|-----------------------|---------------|---------------|---------------|---------------|
| ALIPHATIC HYDROCARBON | N.E. | N.E. | N.E. | N.E. |
| ISOBUTYL ISOBUTYRATE | N.E. | N.E. | N.E. | N.E. |
| VM & P NAPHTHA | 300 ppm | N.E. | 300 ppm | 400 ppm |
| METHYL n-AMYL KETONE | 50 ppm | N.E. | 100 ppm | N.E. |
| 2-BUTOXYETHANOL | 25 ppm | N.E. | 25 ppm | N.E. |
| NITROCELLULOSE | HAZARD - N.E. | HAZARD - N.E. | HAZARD - N.E. | HAZARD - N.E. |
| n-BUTYL ALCOHOL | 50 ppm | N.E. | 50 ppm | N.E. |
| XYLENE | 100 ppm | 150 ppm | 100 ppm | N.E. |
| ISOPROPANOL ANHYDROUS | 400 ppm | 500 ppm | 400 ppm | 500 ppm |
| BUTYL CELLOSOLVE | N.E. | N.E. | N.E. | N.E. |
| ACETATE | | | | |
| ETHYL BENZENE | 100 ppm | 125 ppm | 100 ppm | 125 ppm |
| ISOBUTYL ALCOHOL | 50 ppm | N.E. | 50 ppm | N.E. |
| ETHYL BENZENE | 100 ppm | 125 ppm | 100 ppm | 125 ppm |

Notes

ALIPHATIC HYDROCARBON - NIOSH recommends a limit of 350 mg/m³ - 8 hour TWA, 1800 mg/m³ as determined by a 15-minute sample.

ISOBUTYL ISOBUTYRATE - Eastman Kodak recommends an exposure limit of: 100 ppm 8 hour TWA.

2-BUTOXYETHANOL CAS# 111-76-2 - This component has been shown to cause harm to the fetus in laboratory animals. It only caused harm at levels of overexposure that would also harm the pregnant animal. It has been shown to cause cancer in laboratory animals. The relevance to humans is unknown. It also has been shown to cause reversible kidney effects and reversible liver effects in laboratory animals. Congestion in the liver, kidneys, and lungs resulted from acute lethal exposure in animal studies.

NITROCELLULOSE - It is on the OSHA Process Safety Management (PSM) list.

BUTYL CELLOSOLVE ACETATE - US. NIOSH: Pocket Guide to chemical Hazards Recommended exposure limit (REL): 5 ppm, 33 mg/m³. Eastman Chemical Company occupational exposure limit: TWA Skin Notation: 25 ppm.

ETHYL BENZENE CAS# 100-41-4 - IARC Group 2B possibly carcinogenic to humans.

ETHYL BENZENE CAS# 100-41-4 - IARC Group 2B possibly carcinogenic to humans.

Engineering Controls: Local ventilation of emission sources may be necessary to maintain ambient concentrations below permissible OSHA exposure limits. Remove all ignition sources (heat, sparks, flame, and hot surfaces).

Respiratory Protection: A respirator that is recommended or approved for use in an organic vapor environment (air purifying or fresh air supplied) is necessary. Observe OSHA regulations for respirator

use. Ventilation should be provided to keep exposure levels below the OSHA permissible limits.
 Skin Protection: Chemical-resistant gloves (cotton, neoprene, rubber, polyethylene) should be used to prevent skin contact.
 Eye Protection: Wear safety eyewear (safety glasses, safety glasses with side-shields, chemical goggles, or face shields) to prevent eye contact.
 Other protective equipment: Long sleeve and long leg clothing is recommended. Remove and wash contaminated clothing before reuse or discard.
 Hygienic Practices: Wash hands before breaks, eating, smoking, and at the end of the workday.

| Section 9 - Physical and Chemical Properties | | | |
|---|-----------------|-------------------|---------------------------------------|
| Boiling Range (°F): | N.A.V. - N.A.V. | Vapor Density: | Heavier than air |
| Odor: | Solvent odor | Odor Threshold: | N.A.V. |
| Appearance: | Amber liquid | Evaporation Rate: | 0.48 x n-Butyl Acetate |
| Solubility in H ₂ O: | Insoluble | | |
| Freeze Point: | N.A.V. | Specific Gravity: | 0.905 |
| Vapor Pressure: | N.A.V. | PH: | N.A.P. |
| Physical State: | Liquid | Viscosity: | Thin liquid to heavy viscous material |
| Coefficient of Water/Oil | N.A.V. | | |
| Distribution: (See section 16 for abbreviation legend) | | | |

| Section 10 - Stability and Reactivity |
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| Conditions To Avoid: Avoid high temperatures, sparks, or open flames. Do not breathe vapors or spray mist. |
| Incompatibility: Incompatible with strong acids and oxidizing agents. |
| Hazardous Decomposition: Thermal decomposition can lead to the generation and release of gases and vapors including carbon monoxide, carbon dioxide, oxides of nitrogen, and hydrocarbons. |
| Hazardous Polymerization: Will not occur. |
| Stability: Stable under recommended storage conditions. |

| Section 11 - Toxicological Information | |
|--|--------------------|
| Product LD50: N.E. | Product LC50: N.E. |

| Section 12 - Ecological Information |
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| Ecological Information: No Information. |

| Section 13 - Disposal Information |
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| Disposal Information: Dispose of waste in accordance with federal, state, and local environmental regulations. Empty containers will contain product residue and flammable vapors. Handle as hazardous material. Do not incinerate closed containers. Hazardous Waste Characteristics: Ignitability and Reactivity. EPA Hazardous Waste Number/Code: D001, F003, F005. |

| Section 14 - Transportation Information | | | |
|---|--|-------------------|--------|
| DOT Proper Shipping Name: Paint | | Packing Group: | II |
| DOT Technical Name: N.A.P. | | Hazard Subclass: | N.A.P. |
| DOT Hazard Class: Flammable liquid 3 | | Resp. Guide Page: | N.A.P. |
| DOT UN/NA Number: UN-1263 | | | |

| Section 15 - Regulatory Information |
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CERCLA – SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| Component | CAS Number | Percent By Weight |
|--------------------------|------------|-------------------|
| 2-BUTOXYETHANOL | 111-76-2 | 8.99 |
| n-BUTYL ALCOHOL | 71-36-3 | 4.86 |
| XYLENE | 1330-20-7 | 4.04 |
| ISOPROPANOL ANHYDROUS | 67-63-0 | 3.52 |
| BUTYL CELLOSOLVE ACETATE | 112-07-2 | 3.05 |
| ETHYL BENZENE | 100-41-4 | 0.70 |

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None

U.S. State Regulations: As follows –**New Jersey Right-to-Know:**

The following materials are non-hazardous, but are among the top five components in this product.

Component

ALKYD RESIN

CAS Number

UNKNOWN

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Component

ALKYD RESIN

CAS Number

UNKNOWN

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Component

ETHYL BENZENE

ETHYL BENZENE

BENZENE

ETHYLENE OXIDE

CAS Number

100-41-4

100-41-4

71-43-2

75-21-8

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

Component

BENZENE

ETHYLENE OXIDE

CAS Number

71-43-2

75-21-8

International Regulations: As follows –**DOMESTIC SUBSTANCE LIST (DSL):****Component**

ALIPHATIC HYDROCARBON

ISOBUTYL ISOBUTYRATE

VM & P NAPHTHA

METHYL n-AMYL KETONE

2-BUTOXYETHANOL

NITROCELLULOSE

n-BUTYL ALCOHOL

XYLENE

ISOPROPANOL ANHYDROUS

BUTYL CELLOSOLVE ACETATE

ETHYL BENZENE

ISOBUTYL ALCOHOL

ETHYL BENZENE

CAS Number

8052-41-3

97-85-8

64742-89-8

110-43-0

111-76-2

9004-70-0

71-36-3

1330-20-7

67-63-0

112-07-2

100-41-4

78-83-1

100-41-4

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: B2, D1A,D2A, D2B, F

TRANSPORT OF DANGEROUS GOODS CLASS (TDG): 3, (4.1)

Section 16 - Other Information**HMIS Ratings:**

Health: 3

Flammability: 3

Reactivity: 1

Personal Protection: I

VOLATILE ORGANIC COMPOUNDS, GR/LTR: 663

VOLATILE ORGANIC COMPOUNDS, LB/GAL: 5.54

VOLATILE ORGANIC COMPOUNDS MIXED, GR/LTR: <= N.A.V.

VOLATILE ORGANIC COMPOUNDS MIXED, LB/GAL: <= N.A.V.

REASON FOR REVISION: New Computer System

REGULATORY CODE: 010

LAYOUT CODE: C2004RANGE

Legend: N.A.P. - Not Applicable, N.A.V. - Not Available, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.